

Figure 1 Method (1)

Animal preparation of chronic myocardial ischemia :

Juvenile crossbred farm pigs (~20-25kg) underwent a left lateral thoracotomy. An ameroid constrictor was placed around the proximal LCX just distal to main stem of left coronary artery matching the size of the vessel (typically 1.75, 2.00, or 2.25 mm ID).

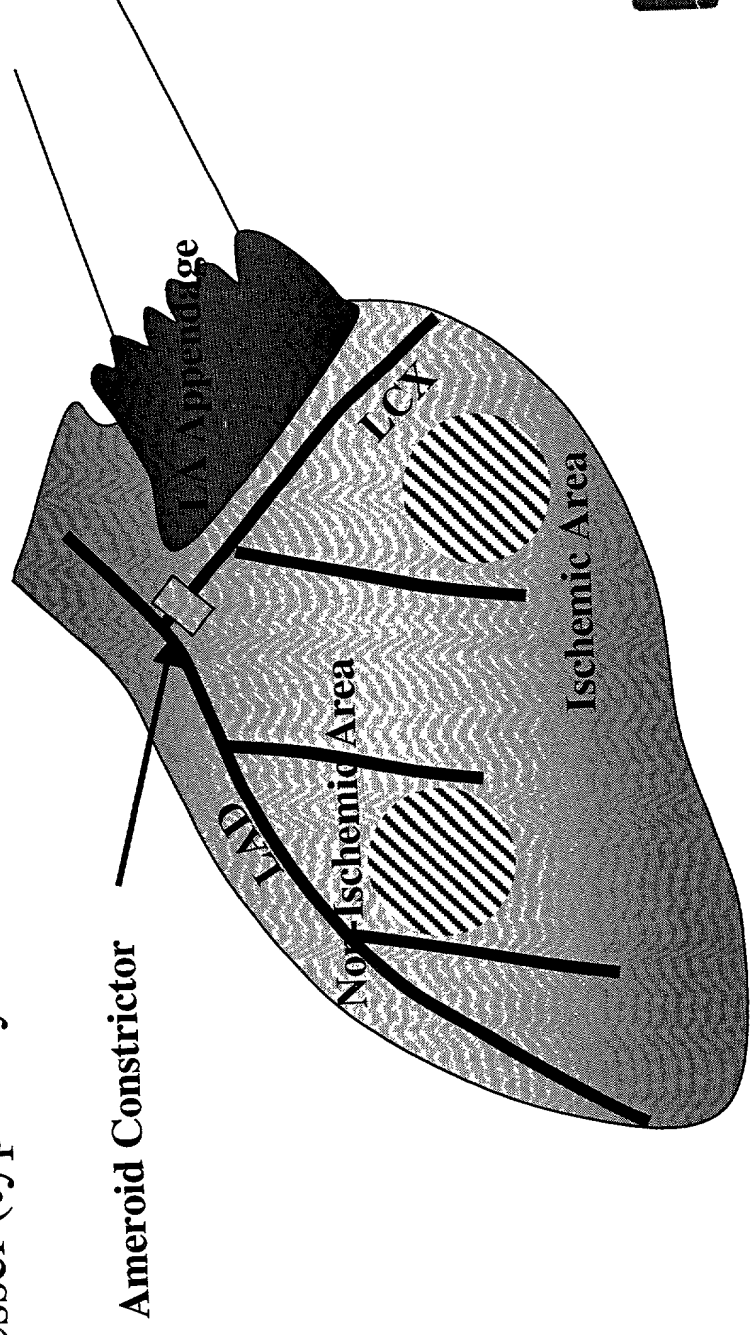


Figure 2 Ischemic Area Induced by Ameroid Constrictor

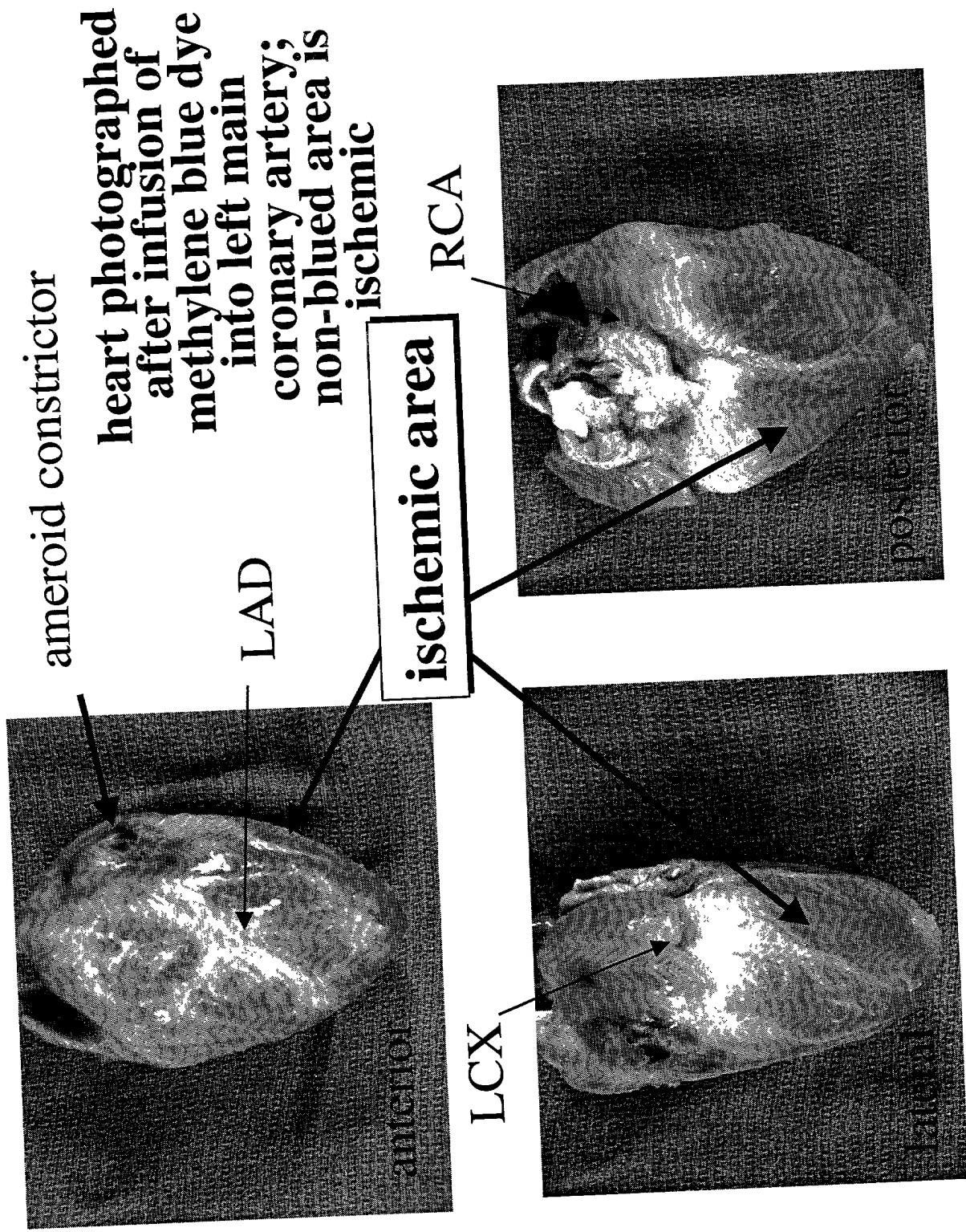
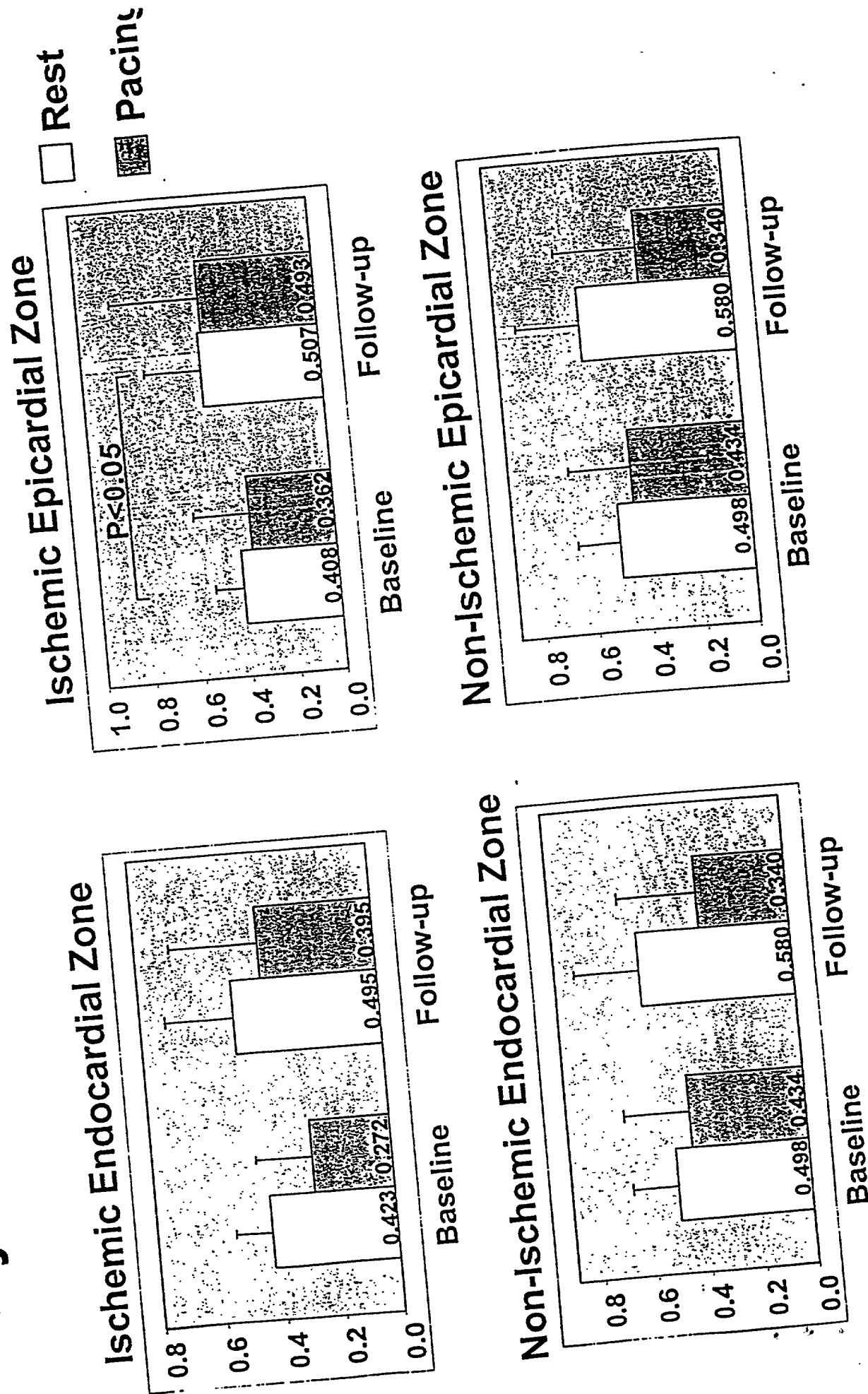
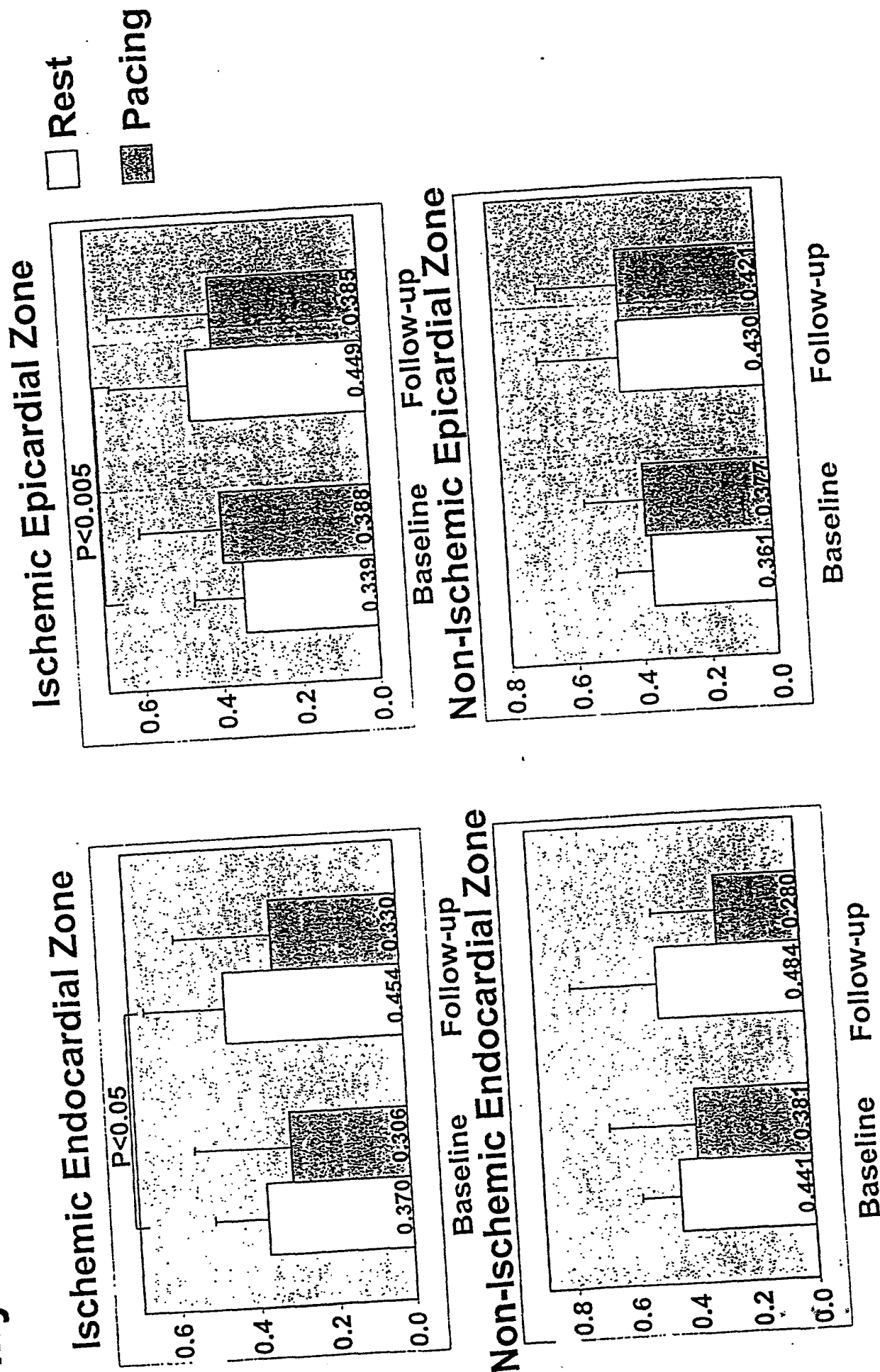


FIGURE 3

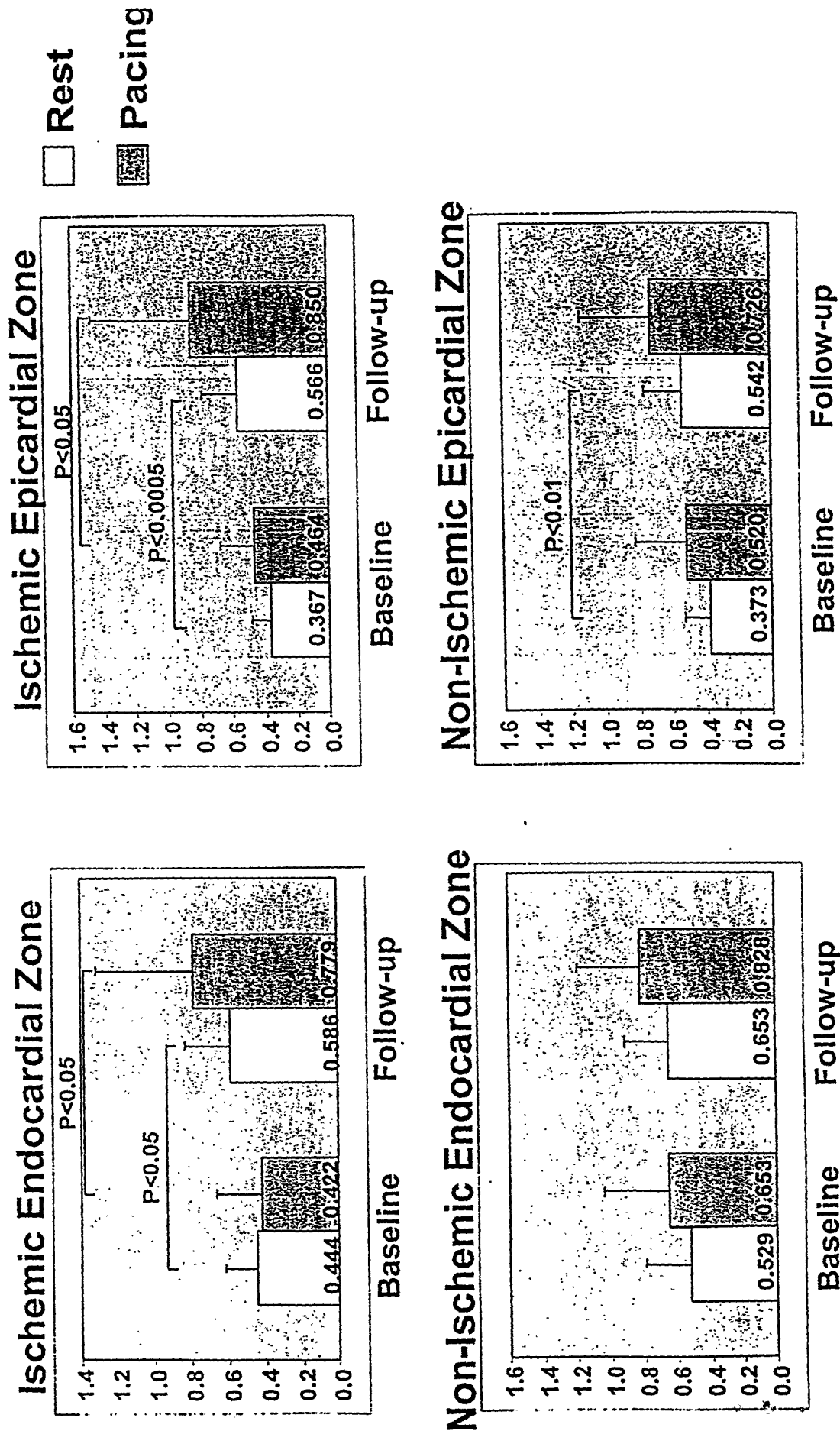
Myocardial Blood Flow in Ad- β gal Group



Myocardial Blood Flow in Ad-VEGF (Ischemic) Group

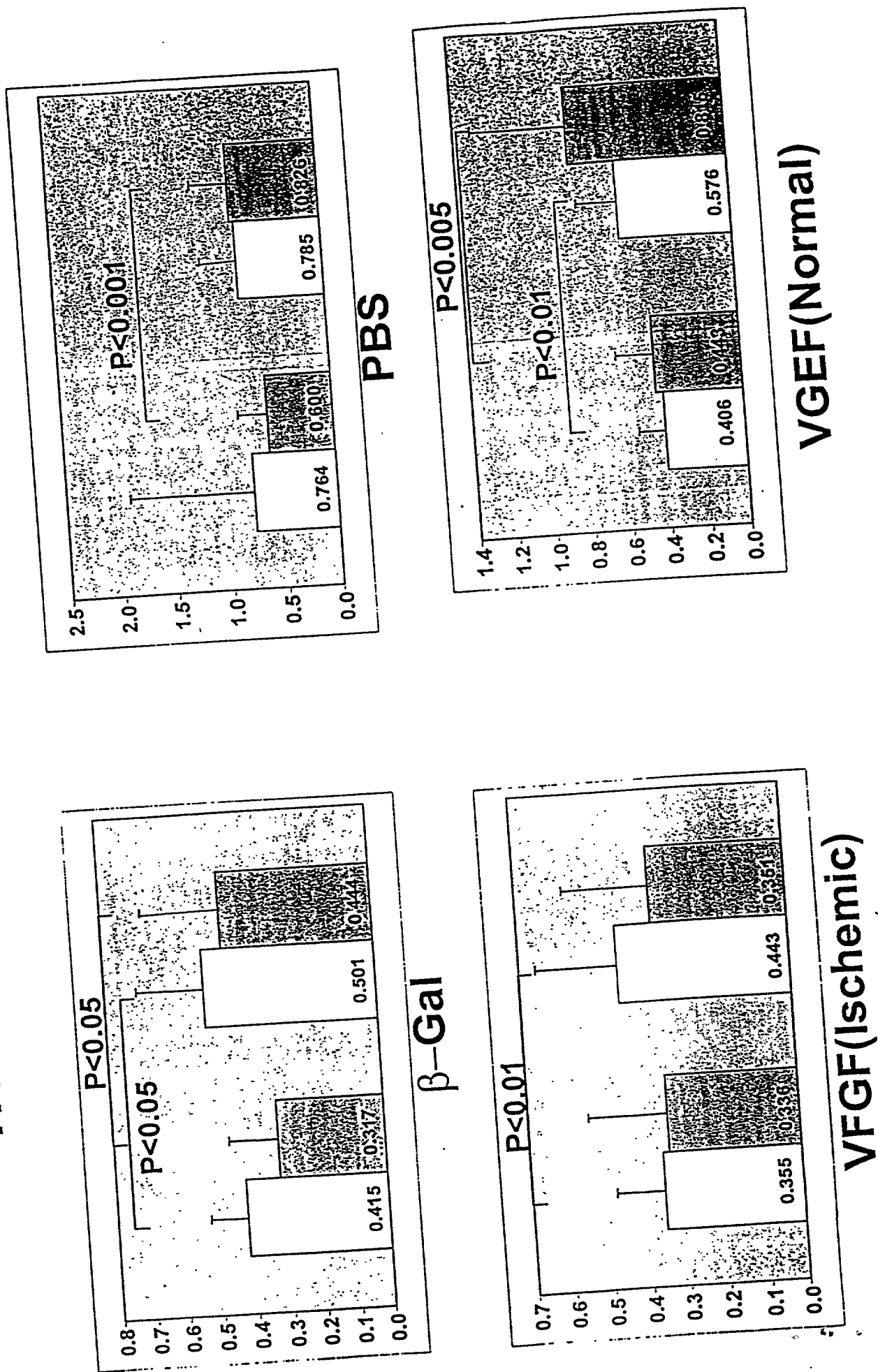


Myocardial Blood Flow in Ad-VEGF (Non-Ischemic) Group

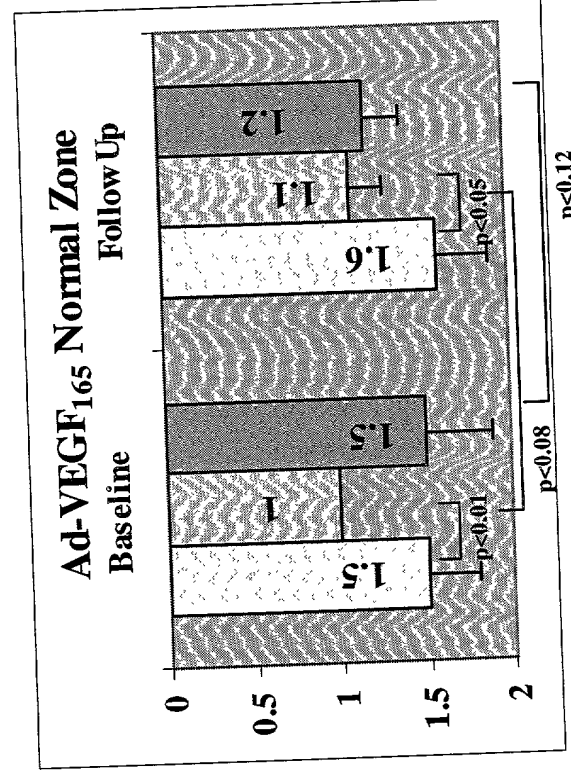
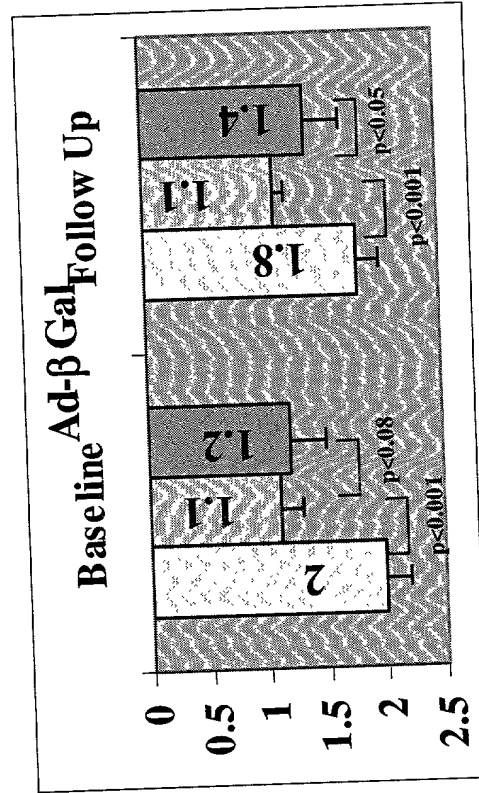
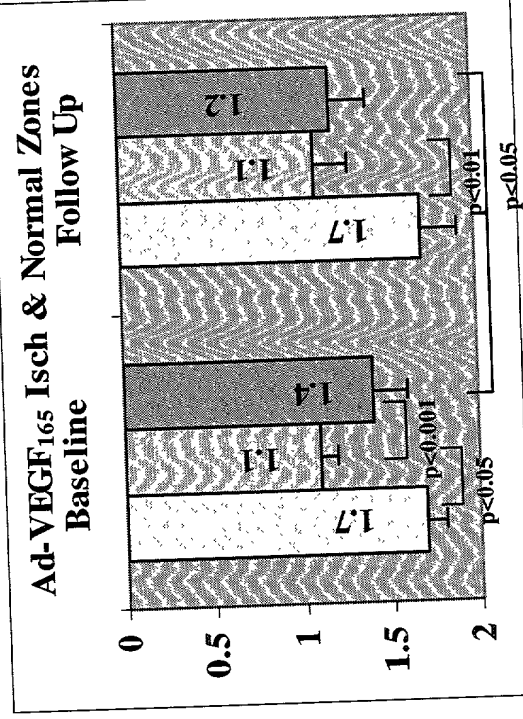
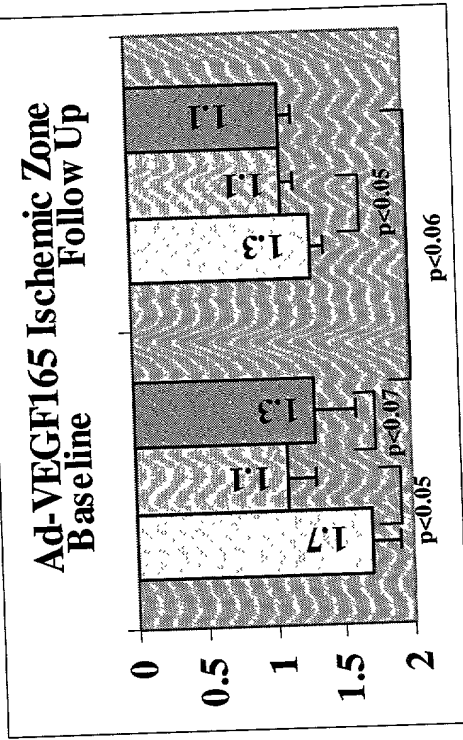


Transmural Myocardial Blood Flow

□ Rest
■ Pacing



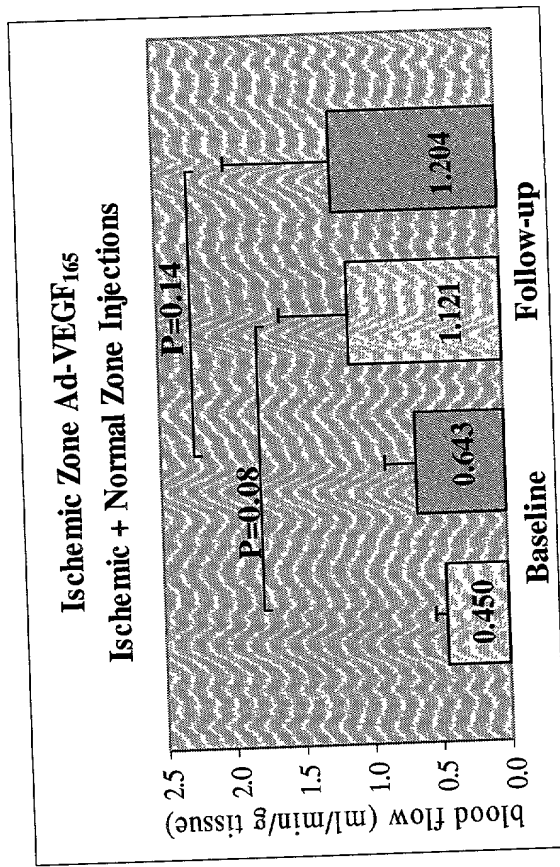
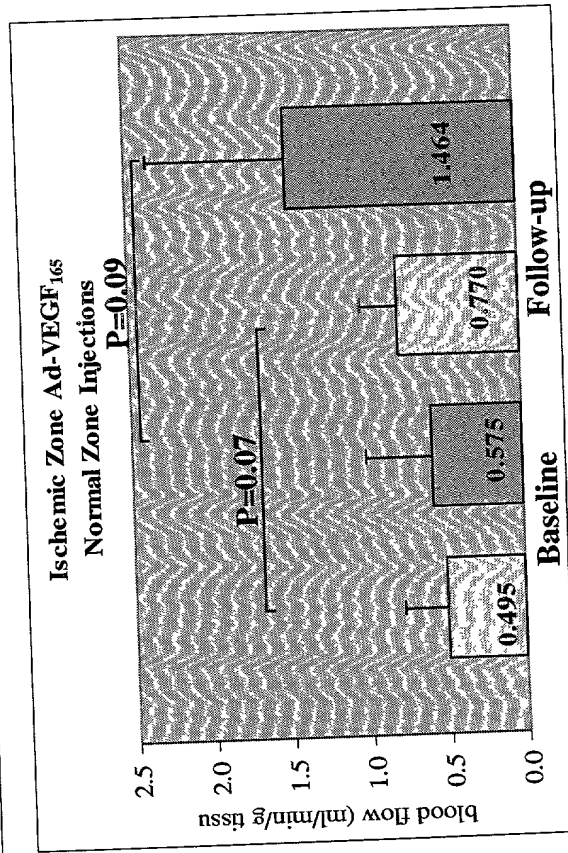
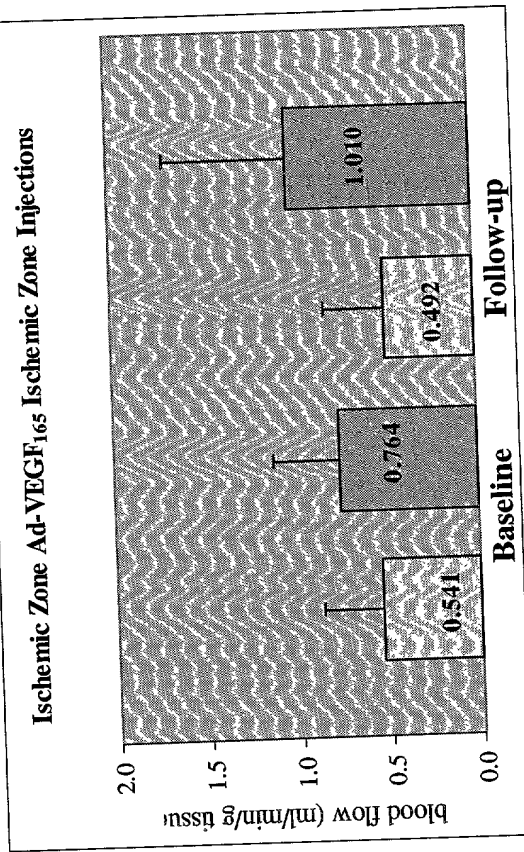
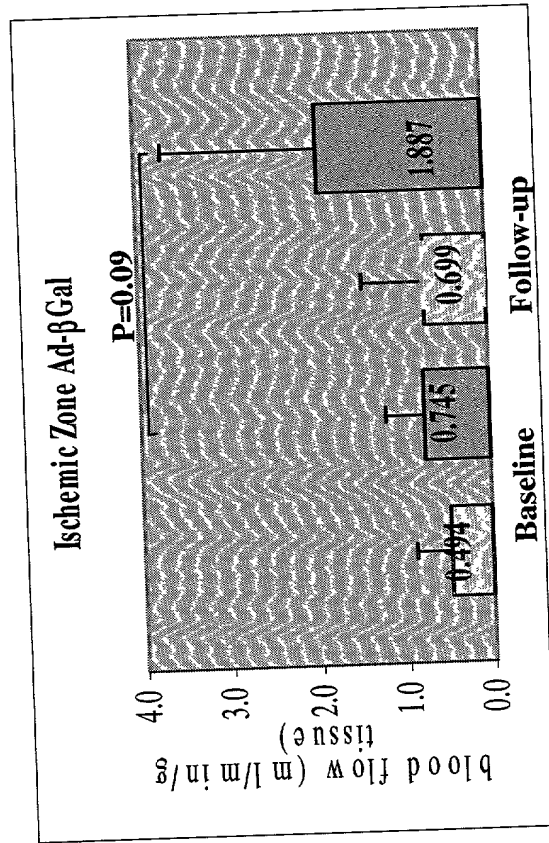
Regional Wall Motion Score on Dobutamine Stress Echocardiography



□ Pre Stress
▨ Low Dose
■ High Dose

Figure 7

Transmural Myocardial Blood Flow



Rest
After Adenosine

Figure 8

Capillary Density

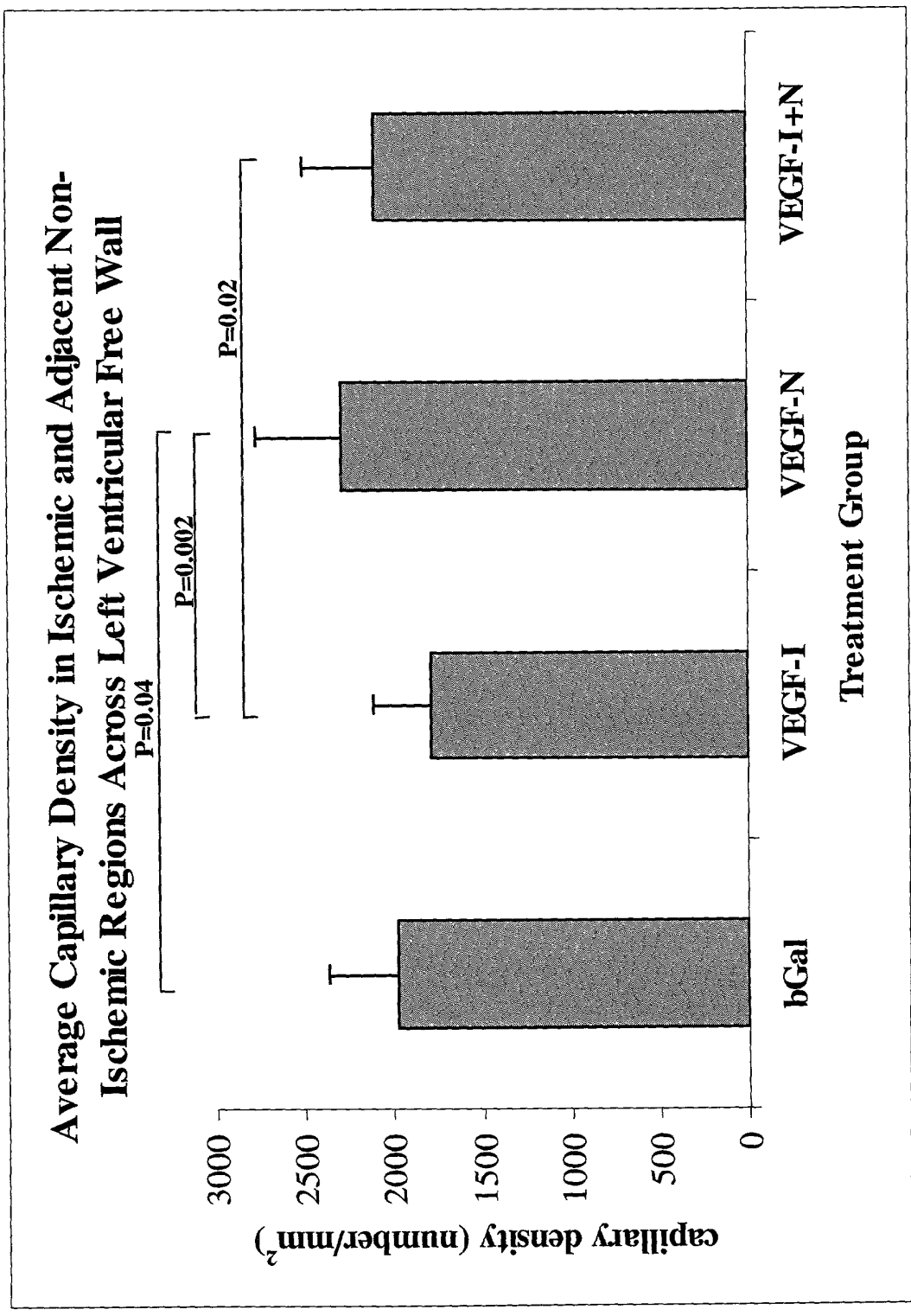


Figure 9